



# ACS Short Course

**Surfactants, Micelles, Liposomes  
and Liquid Crystals in Emulsions  
and Micro Emulsions**

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Clarkson University  
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# Surfactants, Micelles, Liposomes, and Liquid Crystals in Emulsions and Microemulsions

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## Emulsions Microemulsions

Appearance Turbid Transparent (Blueish, Grayish)

Droplet Size 0.1-100 $\mu$ m 5-100nm

Thermodynamic Stability Unstable Stable

Formation Energy Required Spontaneous

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